BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : Improvements to Roads and drais in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

								Est Cost	100.00 Lakhs
Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
	CC Drain								
	Vinayaka Layout 1st Stage								
	6th A Cross Road LHS	Cum	1	30.00	0.75	0.75	16.88		
	6th A Cross Road RHS	Cum	1	45.00	0.75	0.75	25.31		
	5th A Cross Road LHS	Cum	1	39.00	0.75	0.75	21.94		
	5th A Cross Road RHS	Cum	1	39.00	0.75	0.75	21.94		
	4th A Cross Road LHS	Cum	1	89.00	0.75	0.75	50.06		
	4th A Cross Road RHS	Cum	1	89.00	0.75	0.75	50.06		
	3rd A Cross Road LHS	Cum	1	89.00	0.75	0.75	50.06		
	3rd A Cross Road RHS	Cum	1	89.00	0.75	0.75	50.06		
	2nd A Cross Road LHS	Cum	1	79.00	0.75	0.75	44.44		
	2nd A Cross Road RHS	Cum	1	79.00	0.75	0.75	44.44		
	1st A Cross Road LHS	Cum	1	69.00	0.75	0.75	38.81		
	1st A Cross Road RHS	Cum	1	69.00	0.75	0.75	38.81		
	6th B Cross Road LHS	Cum	1	35.00	0.75	0.75	19.69		
	6th B Cross Road RHS	Cum	1	35.00	0.75	0.75	19.69		
	5th B Cross Road LHS	Cum	1	40.00	0.75	0.75	22.50		
	5th B Cross Road RHS	Cum	1	40.00	0.75	0.75	22.50		
	4th B Cross Road LHS	Cum	1	51.00	0.75	0.75	28.69		
	4th B Cross Road RHS	Cum	1	52.00	0.75	0.75	29.25		
	3rd B Cross Road LHS	Cum	1	55.00	0.75	0.75	30.94		
	3rd B Cross Road RHS	Cum	1	55.00	0.75	0.75	30.94		
	2nd B Cross Road LHS	Cum	1	70.00	0.75	0.75	39.38		
	2nd B Cross Road RHS	Cum	1	70.00	0.75	0.75	39.38		
	1st B Cross Road LHS	Cum	1	35.00	0.75	0.75	19.69		
	1st B Cross Road RHS	Cum	1	35.00	0.75	0.75	19.69		
	Culverts	Cum	11.00	6.50	1.00	0.80	57.20		
							Total Qty	832.33	215.28	179183.00
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Loading and Unloading, Lead 8Km (57+2*1.28*8)	77.48							
	Total	215.28							
2	KSRB 4-12: Providing and laying Plain cement concrete 1:3:6 mix with OPC 220kgs with crushed stone aggregate 40 mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.2 of PWD BCSR 2018-19)								
	CC Drain								
	Vinayaka Layout 1st Stage								
	6th A Cross Road LHS	Cum	1	30.00	0.75	0.15	3.38		
	6th A Cross Road RHS	Cum	1	45.00	0.75	0.15	5.06		
	5th A Cross Road LHS	Cum	1	39.00	0.75	0.15	4.39		
	5th A Cross Road RHS	Cum	1	39.00	0.75	0.15	4.39		
	4th A Cross Road LHS	Cum	1	89.00	0.75	0.15	10.01		
	4th A Cross Road RHS	Cum	1	89.00	0.75	0.15	10.01		
	3rd A Cross Road LHS	Cum	1	89.00	0.75	0.15	10.01		
	3rd A Cross Road RHS	Cum	1	89.00	0.75	0.15	10.01		
	2nd A Cross Road LHS	Cum	1	79.00	0.75	0.15	8.89		

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2nd A Cross Road RHS	Cum	1	79.00	0.75	0.15	8.89		
1st A Cross Road LHS	Cum	1	69.00	0.75	0.15	7.76		
1st A Cross Road RHS	Cum	1	69.00	0.75	0.15	7.76		
6th B Cross Road LHS	Cum	1	35.00	0.75	0.15	3.94		
6th B Cross Road RHS	Cum	1	35.00	0.75	0.15	3.94		
5th B Cross Road LHS	Cum	1	40.00	0.75	0.15	4.50		
5th B Cross Road RHS	Cum	1	40.00	0.75	0.15	4.50		
4th B Cross Road LHS	Cum	1	51.00	0.75	0.15	5.74		
4th B Cross Road RHS	Cum	1	52.00	0.75	0.15	5.85		
3rd B Cross Road LHS	Cum	1	55.00	0.75	0.15	6.19		
3rd B Cross Road RHS	Cum	1	55.00	0.75	0.15	6.19		
2nd B Cross Road LHS	Cum	1	70.00	0.75	0.15	7.88		
2nd B Cross Road RHS	Cum	1	70.00	0.75	0.15	7.88		
1st B Cross Road LHS	Cum	1	35.00	0.75	0.15	3.94		
1st B Cross Road RHS	Cum	1	35.00	0.75	0.15	3.94		
Culverts	Cum	11	6.50	0.75	0.15	8.04		
					Total Qty	**163.07**	**5989.25**	**976660.00**
Basic Rate	**5194.00**							
Issue Rates as on 02-11-2021: 4.4*103.69	**456.24**							
Area Weightage @ 6%	**339.01**							
Total	**5989.25**							

3	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain at 60kg / Cum	MT	341.06	60.00	20463.30		20.46		
	For Culvert at 80kg / Cum	MT	20.38	80.00	1630.20		1.63		
						Total Qty	**22.09**	**90596.08**	**2001584.00**
	Basic Rate (Issue Rates as on 02-11-2021)	**85468.00**							
	Area Weightage @ 6%	**5128.08**							
	Total	**90596.08**							

4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69Cum and fine aggregate at 0.43Cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)							
	Raft							
	Vinayaka Layout 1st Stage							
	6th A Cross Road LHS	Cum	1	30.00	0.75	0.15	3.38	
	6th A Cross Road RHS	Cum	1	45.00	0.75	0.15	5.06	
	5th A Cross Road LHS	Cum	1	39.00	0.75	0.15	4.39	
	5th A Cross Road RHS	Cum	1	39.00	0.75	0.15	4.39	
	4th A Cross Road LHS	Cum	1	89.00	0.75	0.15	10.01	
	4th A Cross Road RHS	Cum	1	89.00	0.75	0.15	10.01	
	3rd A Cross Road LHS	Cum	1	89.00	0.75	0.15	10.01	
	3rd A Cross Road RHS	Cum	1	89.00	0.75	0.15	10.01	
	2nd A Cross Road LHS	Cum	1	79.00	0.75	0.15	8.89	
	2nd A Cross Road RHS	Cum	1	79.00	0.75	0.15	8.89	
	1st A Cross Road LHS	Cum	1	69.00	0.75	0.15	7.76	
	1st A Cross Road RHS	Cum	1	69.00	0.75	0.15	7.76	
	6th B Cross Road LHS	Cum	1	35.00	0.75	0.15	3.94	
	6th B Cross Road RHS	Cum	1	35.00	0.75	0.15	3.94	
	5th B Cross Road LHS	Cum	1	40.00	0.75	0.15	4.50	
	5th B Cross Road RHS	Cum	1	40.00	0.75	0.15	4.50	

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4th B Cross Road LHS	Cum	1	51.00	0.75	0.15	5.74		
4th B Cross Road RHS	Cum	1	52.00	0.75	0.15	5.85		
3rd B Cross Road LHS	Cum	1	55.00	0.75	0.15	6.19		
3rd B Cross Road RHS	Cum	1	55.00	0.75	0.15	6.19		
2nd B Cross Road LHS	Cum	1	70.00	0.75	0.15	7.88		
2nd B Cross Road RHS	Cum	1	70.00	0.75	0.15	7.88		
1st B Cross Road LHS	Cum	1	35.00	0.75	0.15	3.94		
1st B Cross Road RHS	Cum	1	35.00	0.75	0.15	3.94		
Side Walls								
Vinayaka Layout 1st Stage								
6th A Cross Road LHS	Cum	2	30.00	0.15	0.45	4.05		
6th A Cross Road RHS	Cum	2	45.00	0.15	0.45	6.08		
5th A Cross Road LHS	Cum	2	39.00	0.15	0.45	5.27		
5th A Cross Road RHS	Cum	2	39.00	0.15	0.45	5.27		
4th A Cross Road LHS	Cum	2	89.00	0.15	0.45	12.02		
4th A Cross Road RHS	Cum	2	89.00	0.15	0.45	12.02		
3rd A Cross Road LHS	Cum	2	89.00	0.15	0.45	12.02		
3rd A Cross Road RHS	Cum	2	89.00	0.15	0.45	12.02		
2nd A Cross Road LHS	Cum	2	79.00	0.15	0.45	10.67		
2nd A Cross Road RHS	Cum	2	79.00	0.15	0.45	10.67		
1st A Cross Road LHS	Cum	2	69.00	0.15	0.45	9.32		
1st A Cross Road RHS	Cum	2	69.00	0.15	0.45	9.32		
6th B Cross Road LHS	Cum	2	35.00	0.15	0.45	4.73		
6th B Cross Road RHS	Cum	2	35.00	0.15	0.45	4.73		
5th B Cross Road LHS	Cum	2	40.00	0.15	0.45	5.40		
5th B Cross Road RHS	Cum	2	40.00	0.15	0.45	5.40		
4th B Cross Road LHS	Cum	2	51.00	0.15	0.45	6.89		
4th B Cross Road RHS	Cum	2	52.00	0.15	0.45	7.02		
3rd B Cross Road LHS	Cum	2	55.00	0.15	0.45	7.43		
3rd B Cross Road RHS	Cum	2	55.00	0.15	0.45	7.43		
2nd B Cross Road LHS	Cum	2	70.00	0.15	0.45	9.45		
2nd B Cross Road RHS	Cum	2	70.00	0.15	0.45	9.45		
1st B Cross Road LHS	Cum	2	35.00	0.15	0.45	4.73		
1st B Cross Road RHS	Cum	2	35.00	0.15	0.45	4.73		
Culverts Raft	Cum							
Culverts	Cum	11	6.50	0.90	0.15	9.65		
Culverts Side Walls								
Culverts	Cum	22	6.50	0.15	0.50	10.73		
					Total Qty	**361.43**	**7729.67**	**2793753.00**
Basic Rate	**6670.00**							
Issue Rates as on 02-11-2021: 6*103.69	**622.14**							
Area Weightage @ 6%	**437.53**							
Total	**7729.67**							

5 Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)

CC Drain								
Vinayaka Layout 1st Stage								
6th A Cross Road LHS	Cum	50	0.60	0.75		22.50		
6th A Cross Road RHS	Cum	75	0.60	0.75		33.75		
5th A Cross Road LHS	Sqm	65	0.60	0.75		29.25		
5th A Cross Road RHS	Sqm	65	0.60	0.75		29.25		
4th A Cross Road LHS	Sqm	148	0.60	0.75		66.75		
4th A Cross Road RHS	Sqm	148	0.60	0.75		66.75		
3rd A Cross Road LHS	Sqm	148	0.60	0.75		66.75		
3rd A Cross Road RHS	Sqm	148	0.60	0.75		66.75		
2nd A Cross Road LHS	Sqm	132	0.60	0.75		59.25		
2nd A Cross Road RHS	Sqm	132	0.60	0.75		59.25		

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1st A Cross Road LHS	Sqm	115	0.60	0.75		51.75		
1st A Cross Road RHS	Sqm	115	0.60	0.75		51.75		
6th B Cross Road LHS	Cum	58	0.60	0.75		26.25		
6th B Cross Road RHS	Cum	58	0.60	0.75		26.25		
5th B Cross Road LHS	Cum	67	0.60	0.75		30.00		
5th B Cross Road RHS	Cum	67	0.60	0.75		30.00		
4th B Cross Road LHS	Cum	85	0.60	0.75		38.25		
4th B Cross Road RHS	Cum	87	0.60	0.75		39.00		
3rd B Cross Road LHS	Cum	92	0.60	0.75		41.25		
3rd B Cross Road RHS	Cum	92	0.60	0.75		41.25		
2nd B Cross Road LHS	Cum	117	0.60	0.75		52.50		
2nd B Cross Road RHS	Cum	117	0.60	0.75		52.50		
1st B Cross Road LHS	Cum	58	0.60	0.75		26.25		
1st B Cross Road RHS	Cum	58	0.60	0.75		26.25		
					Total Qty	1033.50	2337.00	2415290.00
Data Rate	2337.00							

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6	Supply and fixing Precast reinforced concrete slab 250cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
	Culverts								
	Culverts	Sqm	119.00	0.60	1.00		71.40		
						Total Qty	71.40	5418.00	386845.00
	Data Rate	5418.00							
								Sub-Total for CSR 2018-19	8753315.00
								Applicable GST Charges 12% on CSR 2018-19	1050398.00
								Detailed Project Reports (DPR) Charges 1%	98037.00
								Project Management and Quality Control (PMC) Charges 1%	98037.00
								Miscellaneous and unforeseen charges	213.00
								Grand Total Amount Rs.	10000000.00
	(Rupees One Crore Only)								

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2018-19 and Approved Data Rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other Programs or Grants

Assistant Engineer
Ward No.07
B.B.M.P

Assistant Executive Engineer
Sub Division
B.B.M.P

Assistant Executive Engineer,
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Byararayanapura - Division
B.B.M.P

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Administrative Approval
Accorded For Rs.100.00 Lakhs
Head of A/C.....
CER NO :...46..... Dt:22/10/2021

TA

CE (YNK)

Technical Sanction
Accorded For Rs.100.00Lakhs
Head of A/C.....
CER NO :...57..... Dt:22/10/2021

TA

CE